

FIG. 1

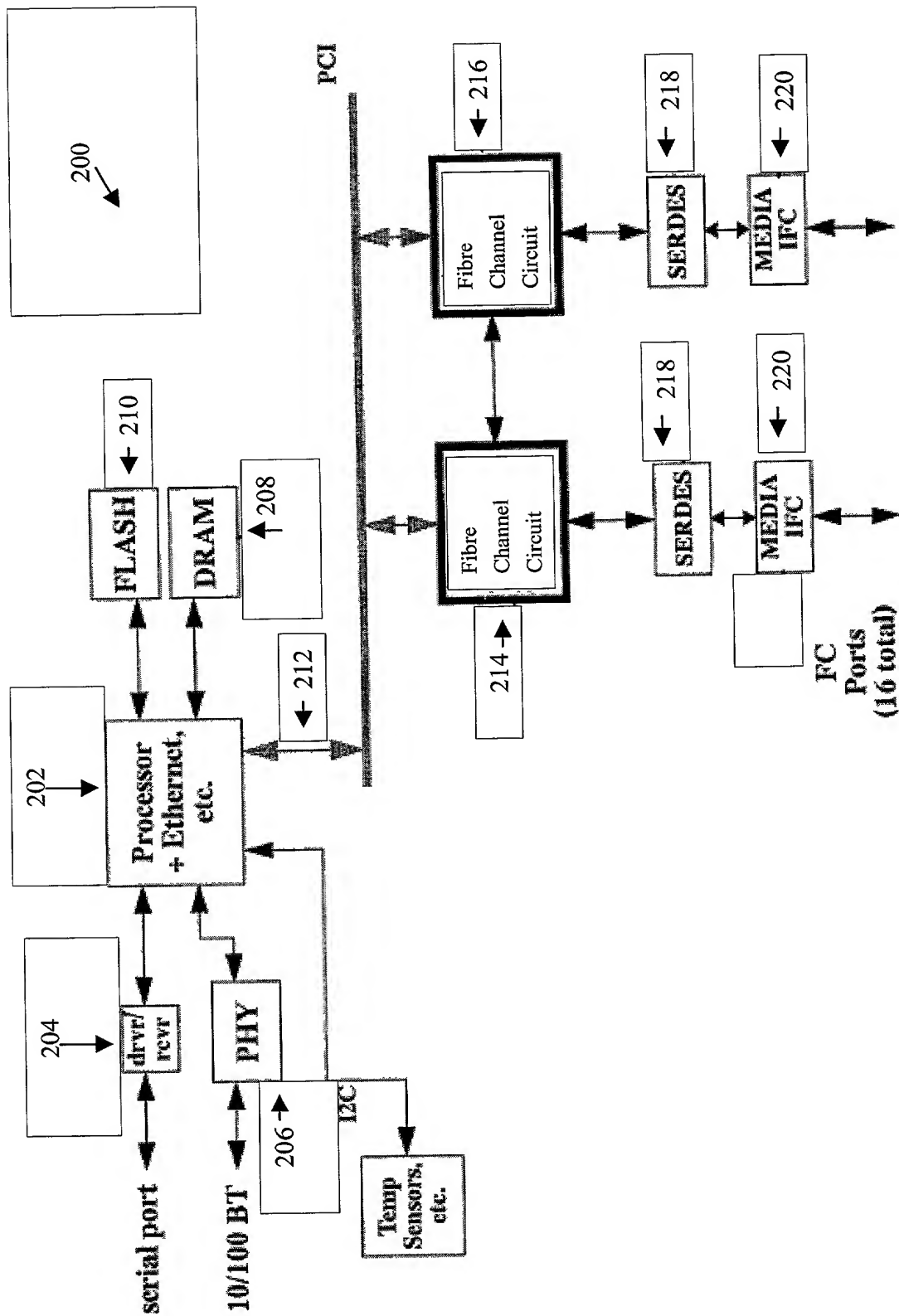


Figure 2

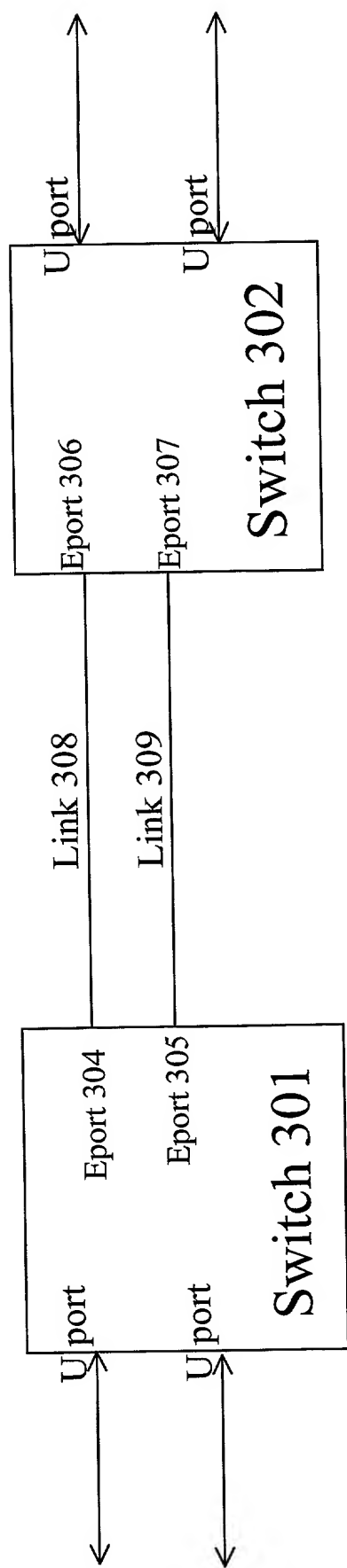


Figure 3

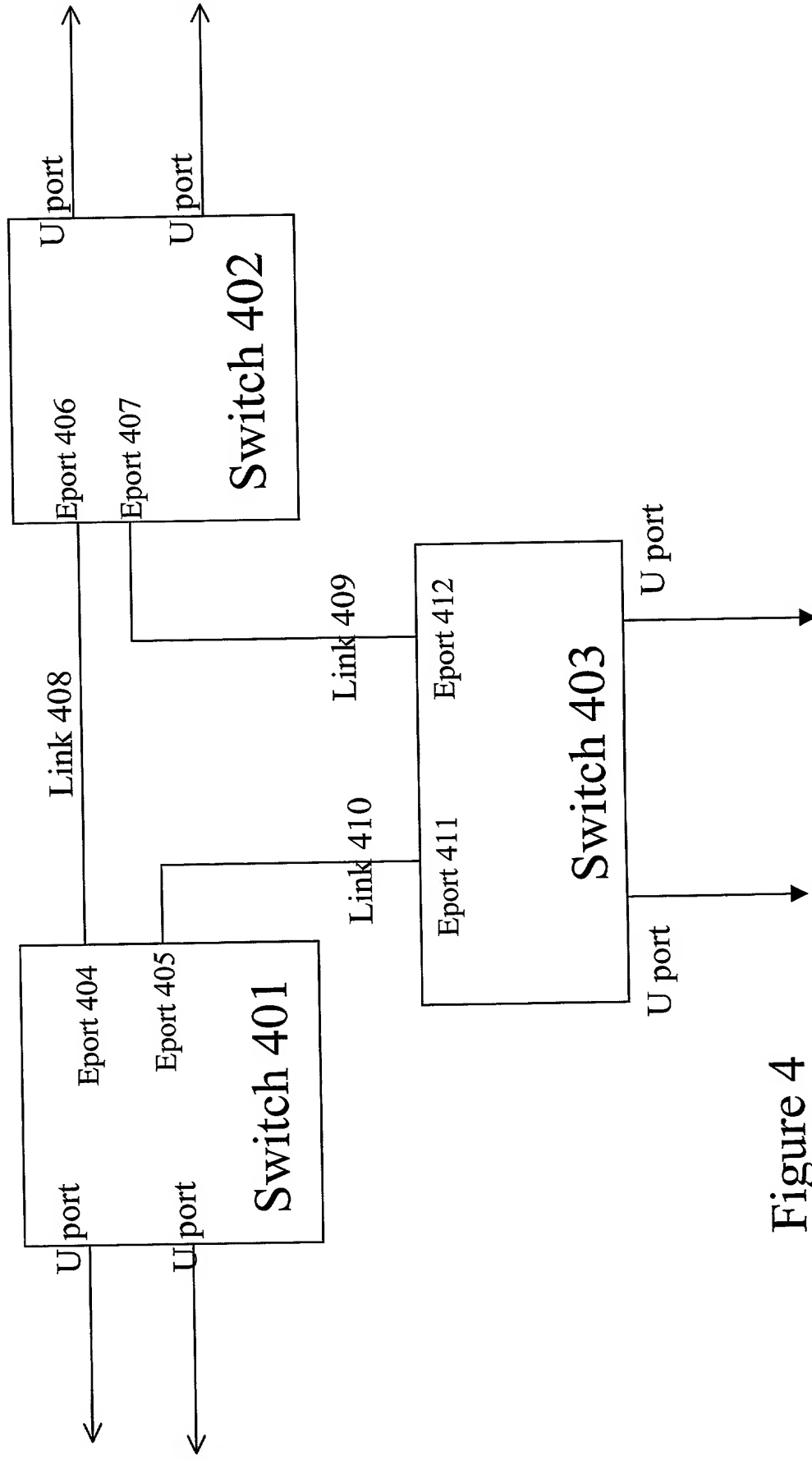


Figure 4

Figure 5a

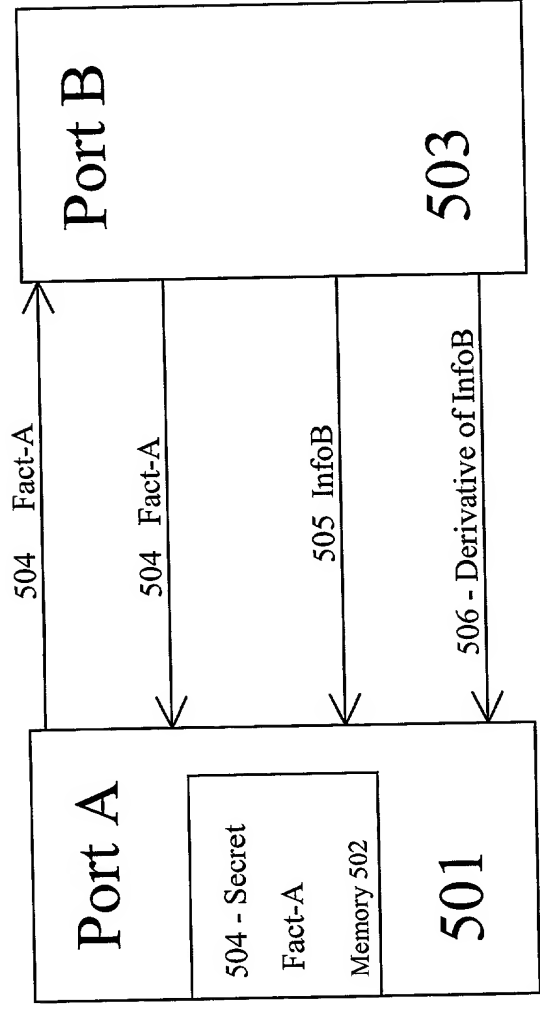
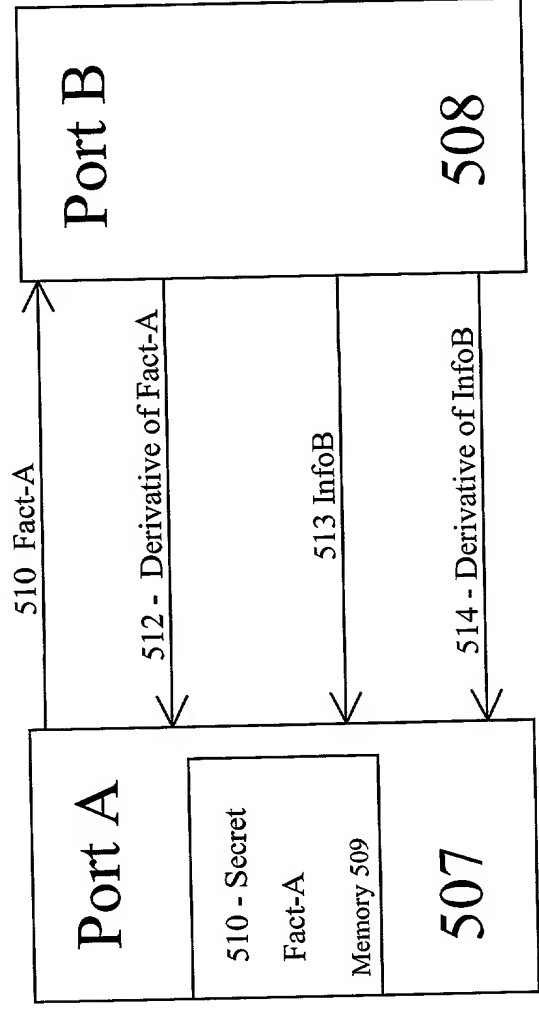


Figure 5b



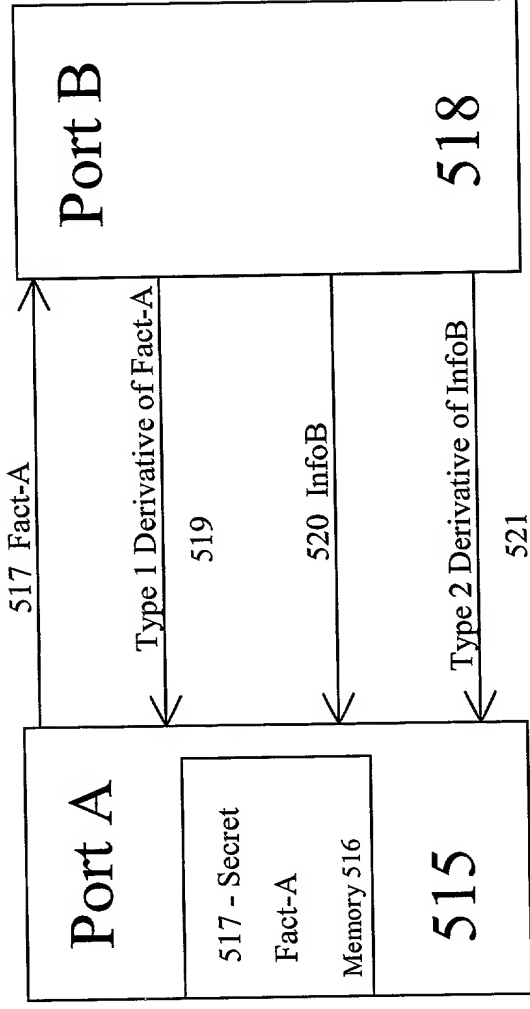


Figure 5c

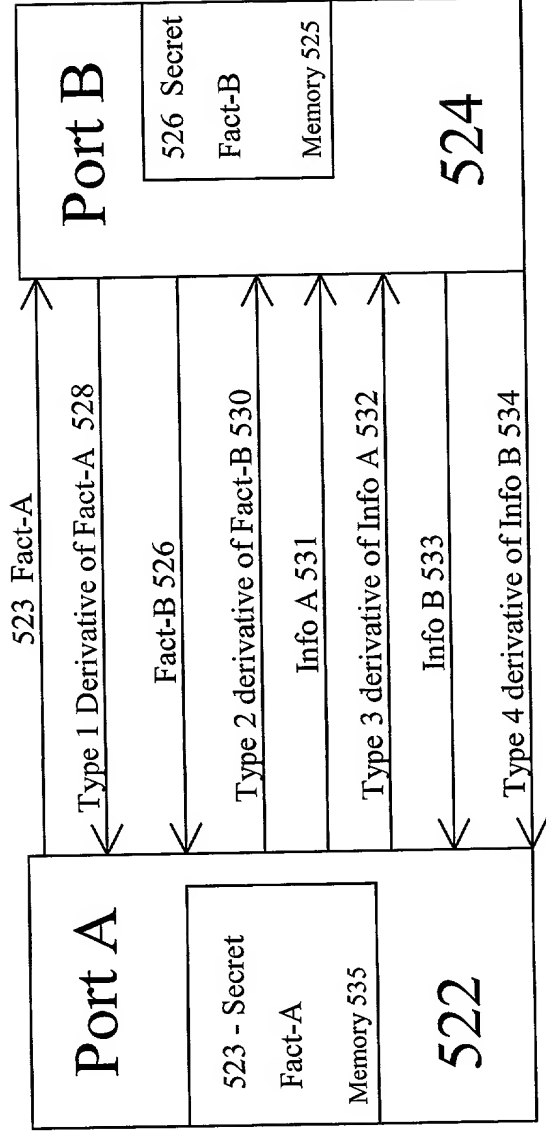


Figure 5d

| Step # | Name / Function | Payload |
|--------|------------------------|---|
| 1 | Request Authentication | Secret Fact A |
| 2 | Acknowledge Request | Secret Fact B; Type 1 derivative of Secret Fact A; InfoB; Type 3-4 derivative of Info B |
| 3 | Confirm Authentication | Type 2 derivative of Secret Fact B; InfoA; Type 3-4 derivative of InfoA |
| | | |

Figure 6

| Step # | Name / Function | Payload |
|--------|------------------------|---|
| 1 | Request Authentication | Secret Fact A; InfoA; Type 3-4 derivative of InfoA |
| 2 | Acknowledge Request | Secret Fact B; Type 1 derivative of Secret Fact A; InfoB; Type 3-4 derivative of Info B |
| 3 | Confirm Authentication | Type 2 derivative of Secret Fact B |
| | | |

Figure 7

| Step # | Name / Function | Payload |
|--------|---------------------------|--|
| | | |
| 1 | Acknowledge Request | Secret Fact B; Type 1 derivative of Substitute Secret Fact A; InfoB; Type 3-4 derivative of Info B |
| 2 | Confirm Authentication | Type 2 derivative of Secret Fact B; InfoA; Type 3-4 derivateve of InfoA |
| | | |

Figure 8

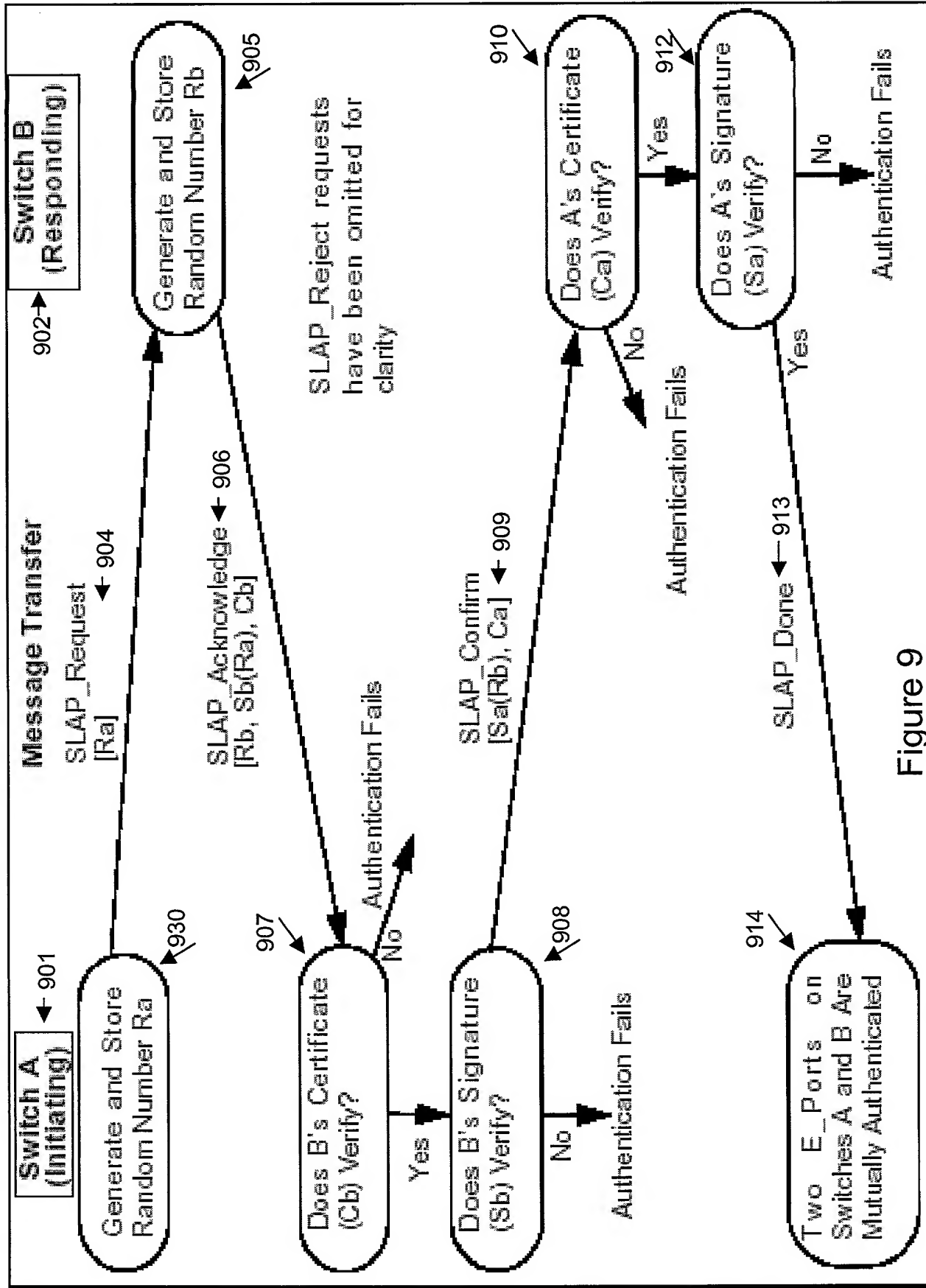


Figure 9

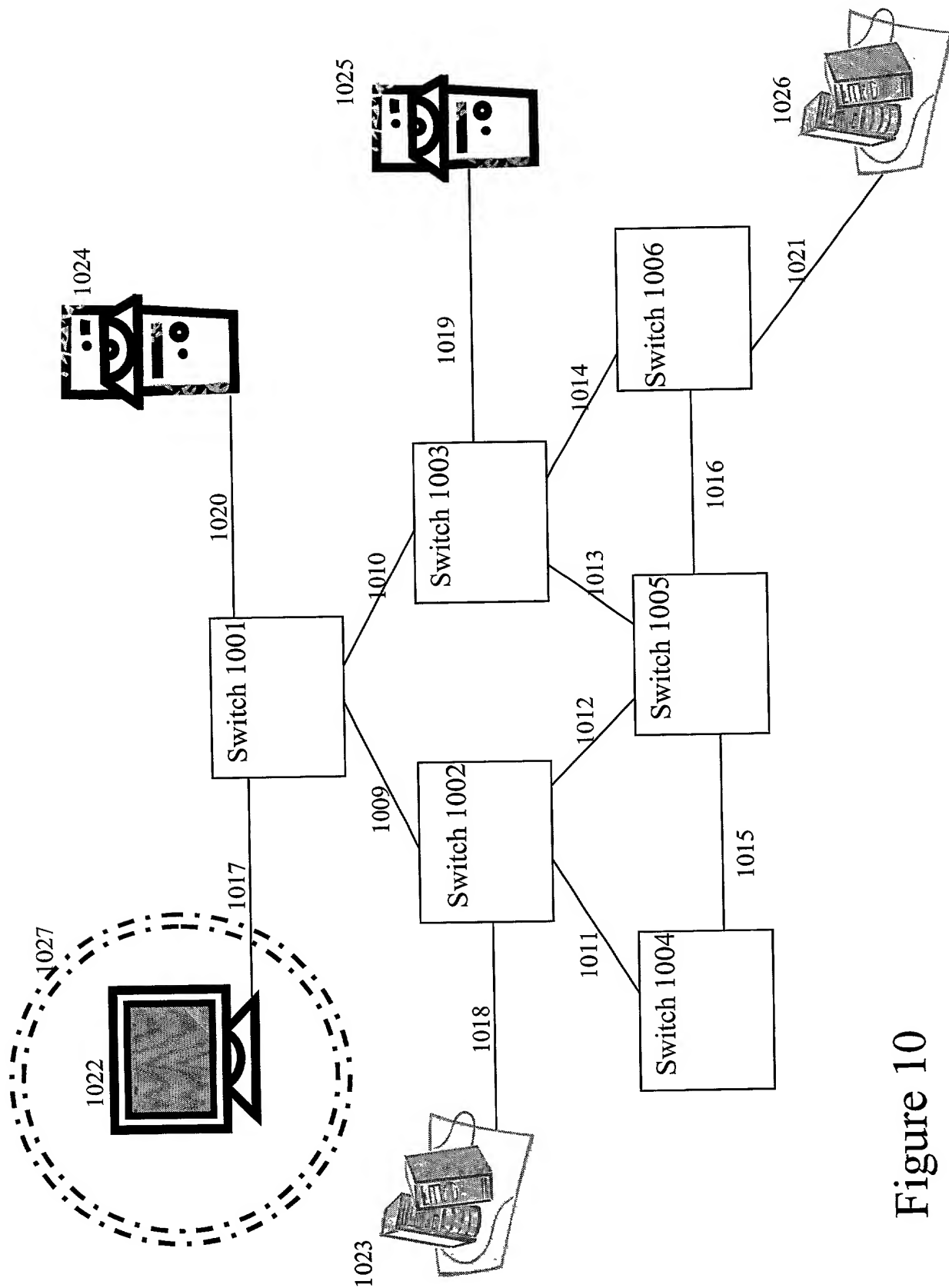


Figure 10

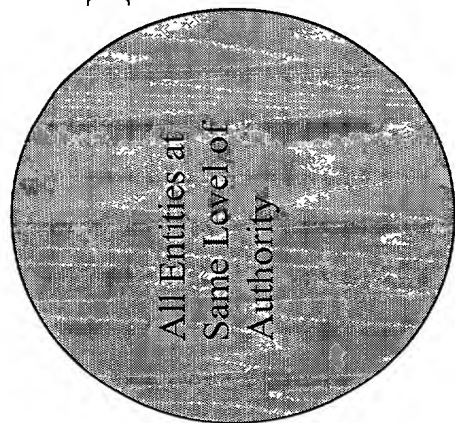


Figure 11a

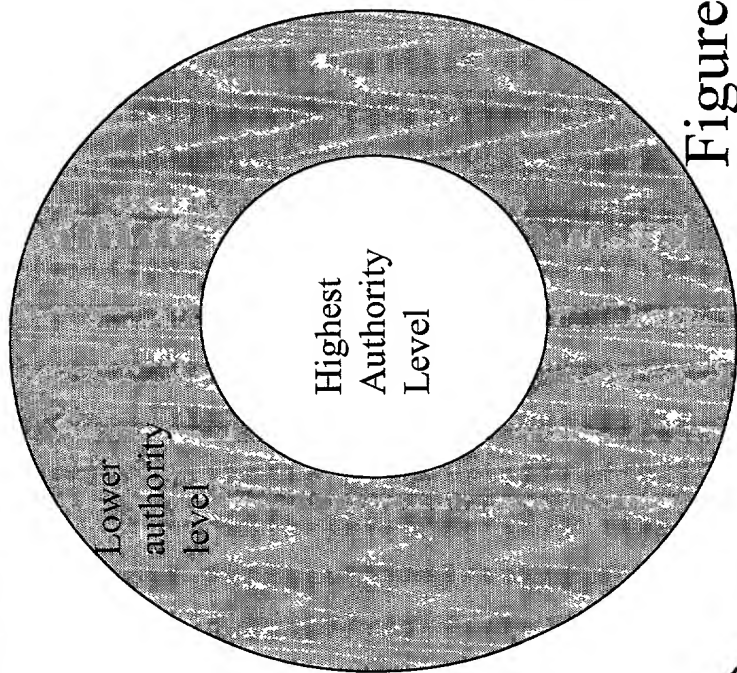


Figure 11b

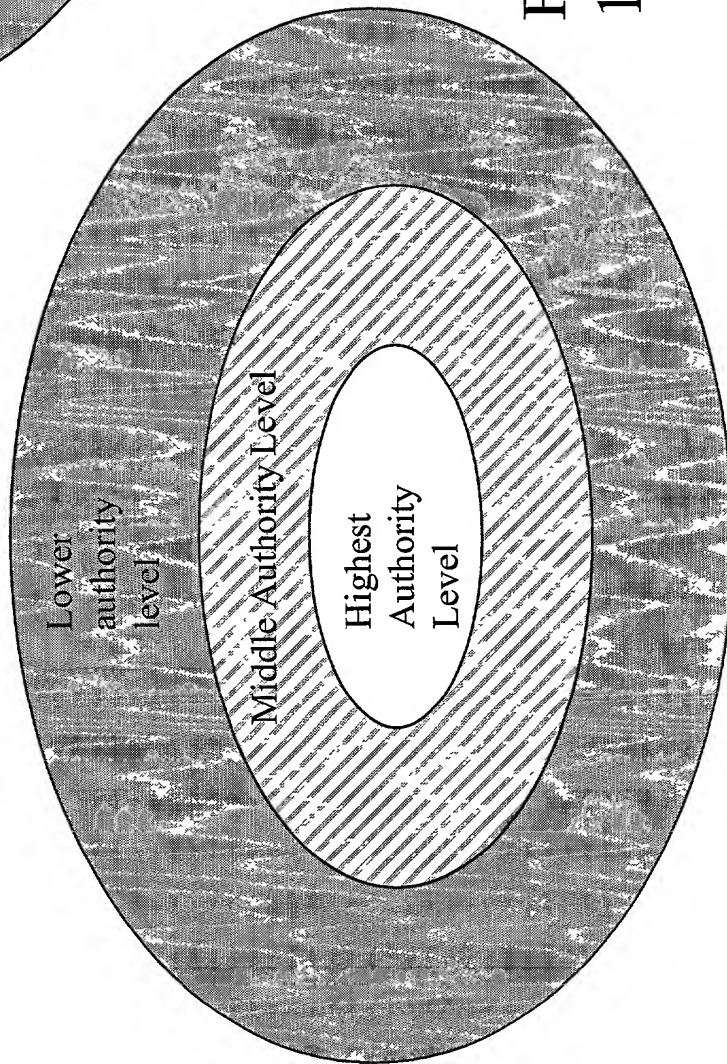


Figure 11c

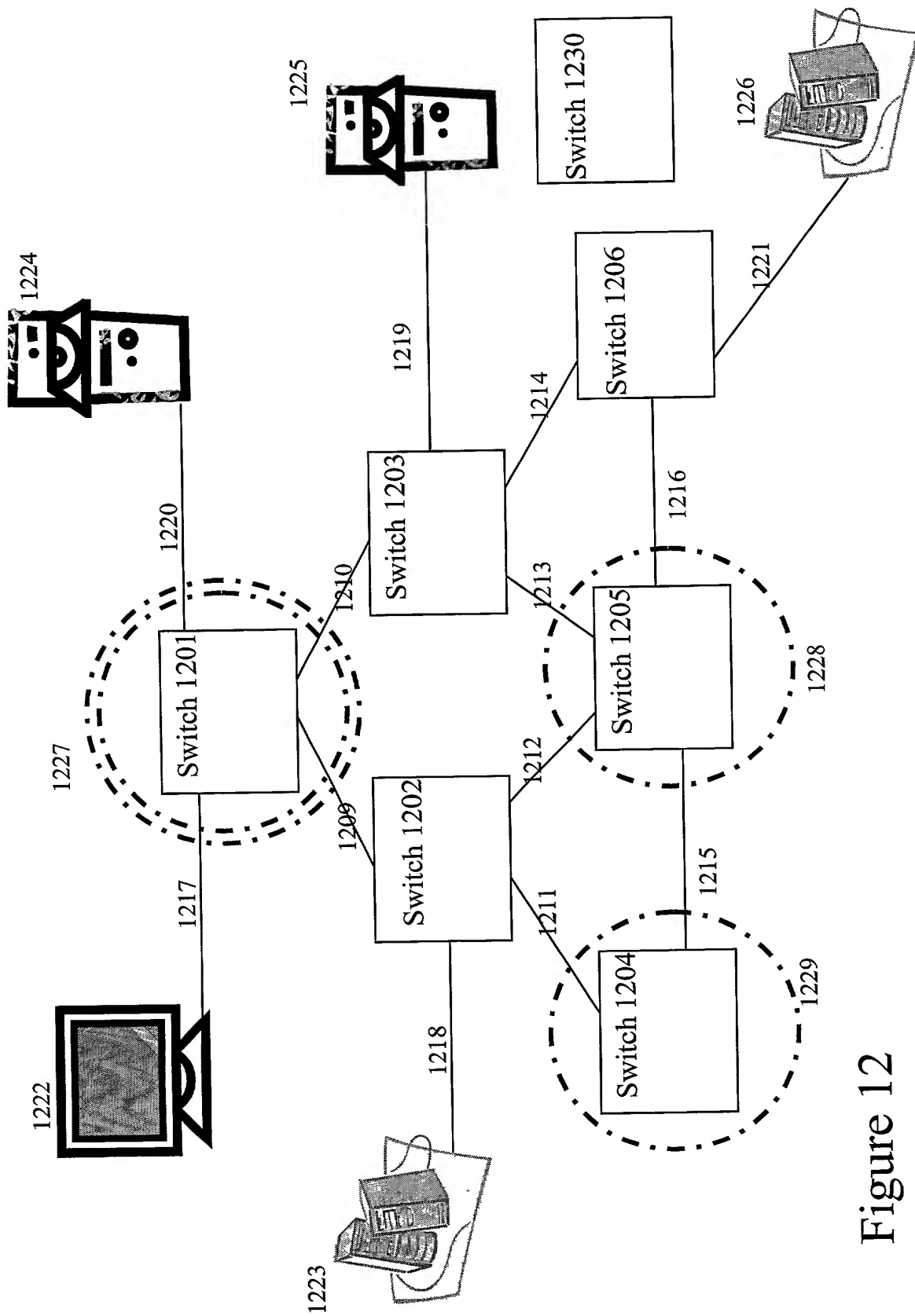


Figure 12

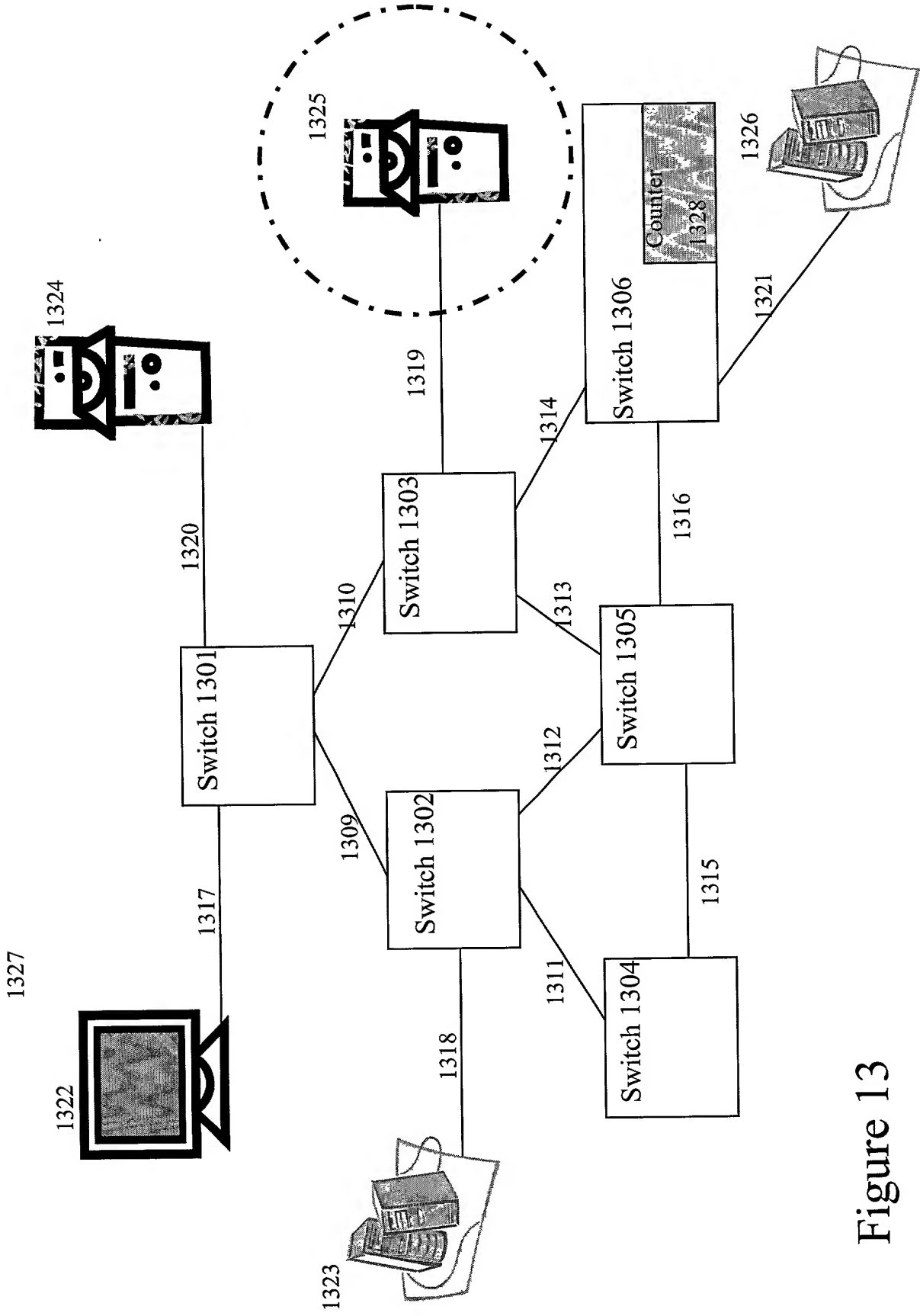


Figure 13

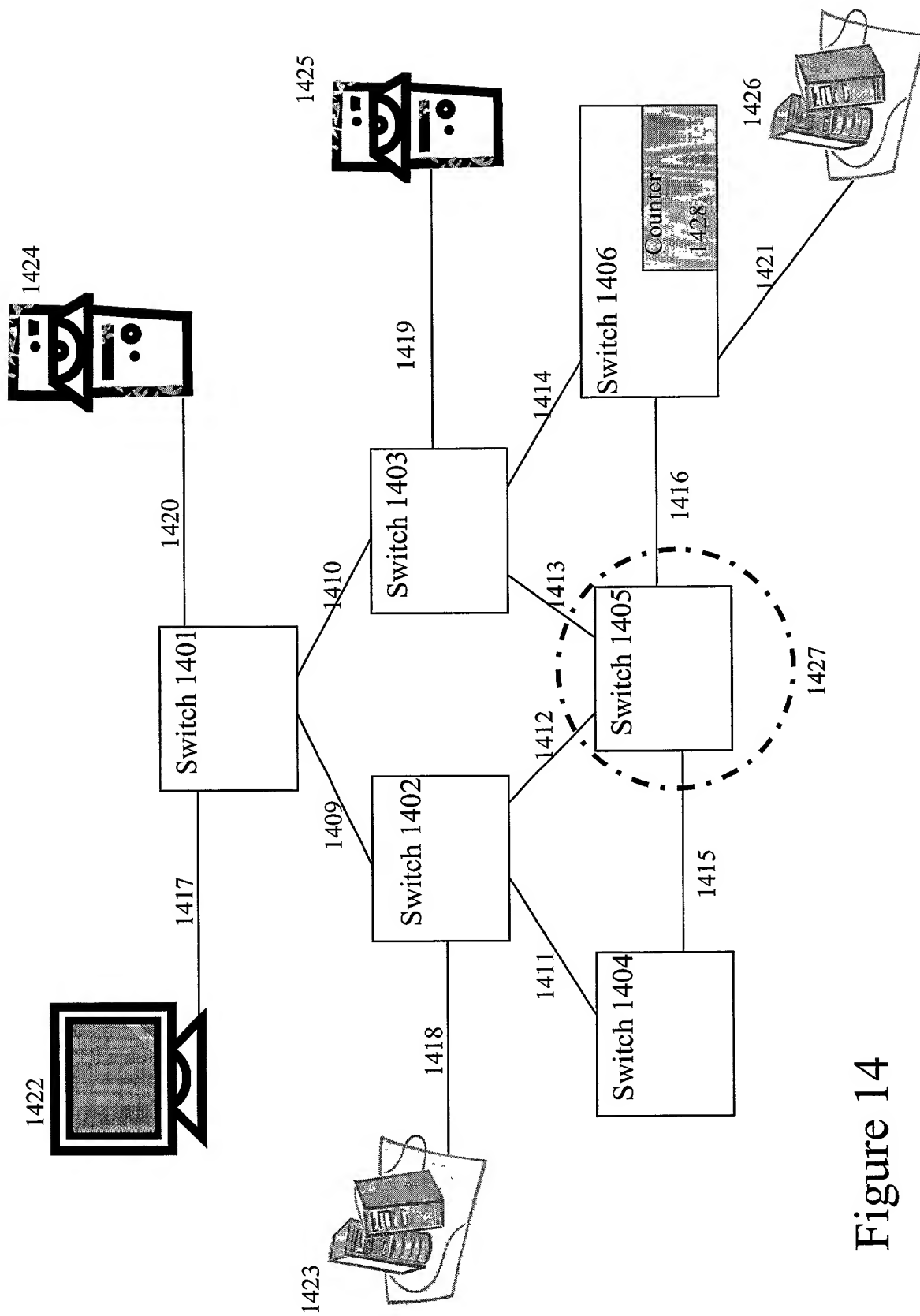


Figure 14

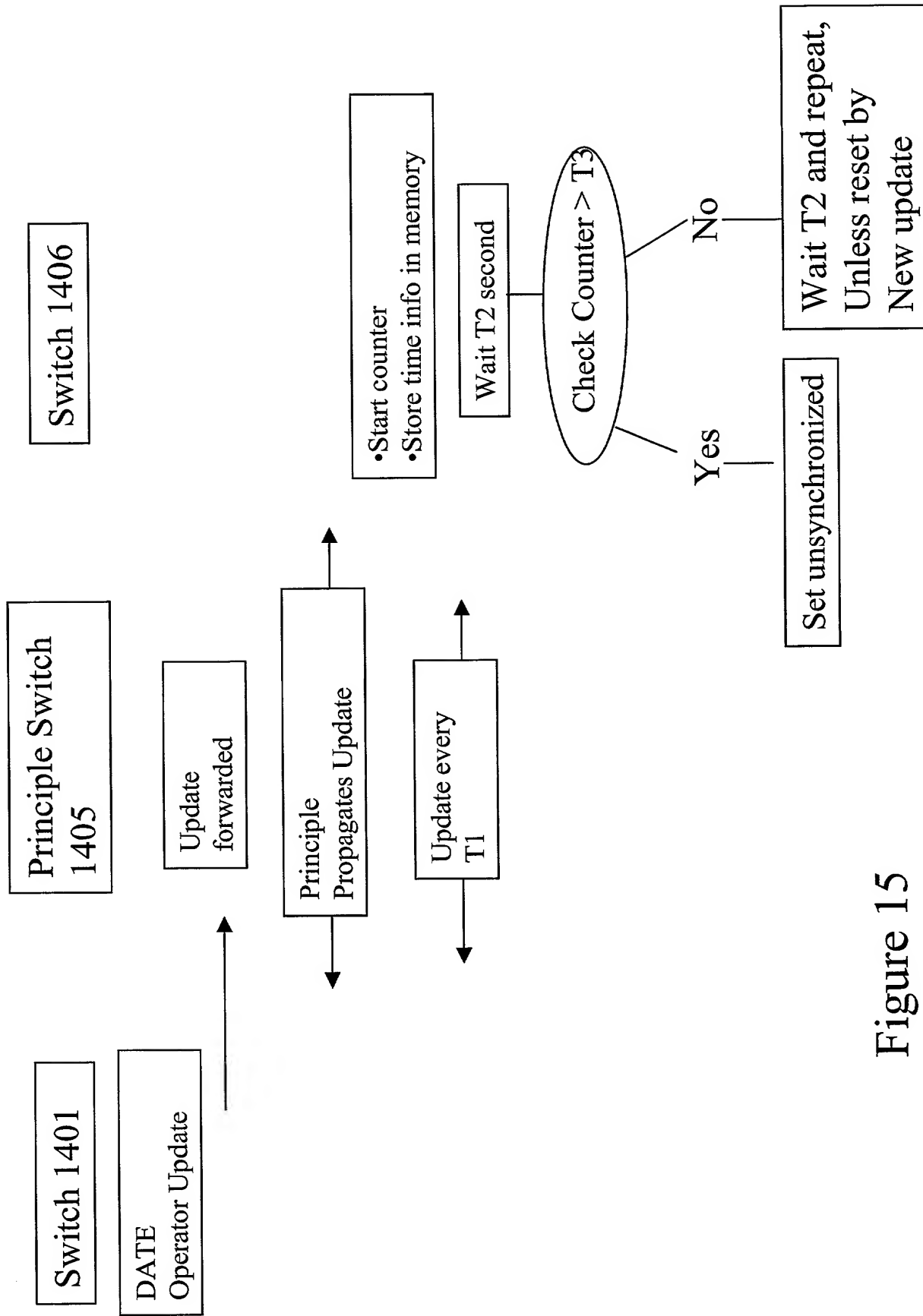


Figure 15

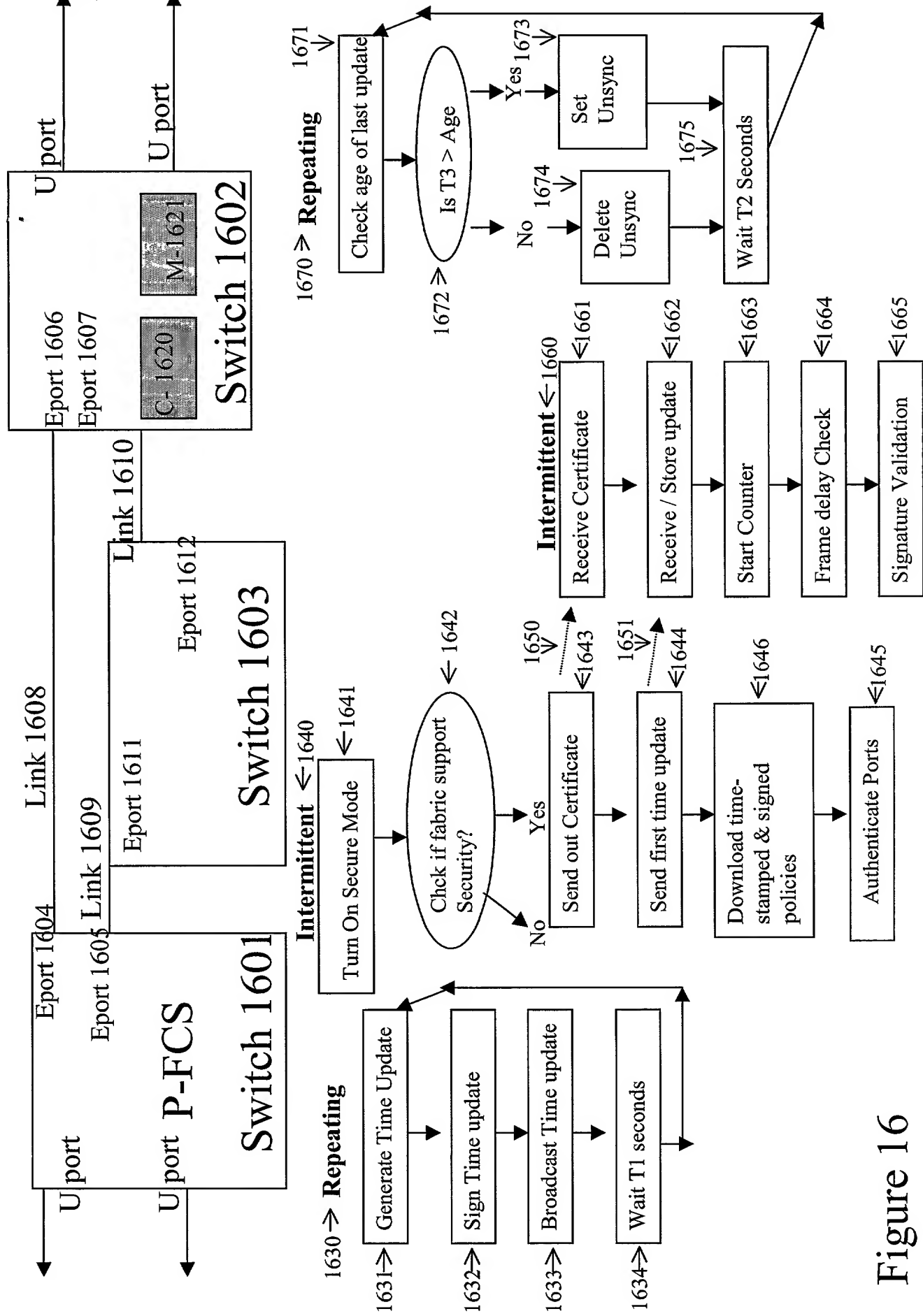


Figure 16